

Converting Colors

$Yxy(86.9154, 0.2743, 0.3244)$

Have a look what the booklet for
Yxy(86.9154, 0.2743, 0.3244)
contains.

Yxy(87.0332, 0.2743, 0.3246)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(87.0332, 0.2743, 0.3246)

Conversions

Conversions Part 1

Format	Color
Hex	BDFBFF
RGB	189, 251, 255
RGB Percent	74%, 98%, 100%
CMY	0.2586, 0.0157, 0.0000
CMYK	0.26, 0.02, 0.00, 0.00
HSL	184°, 100%, 87%
HSV	184°, 26%, 100%
XYZ	73.5465, 87.0332, 107.5447
YIQ	232.9180, -38.2360, -11.9000

Conversions

Conversions Part 2

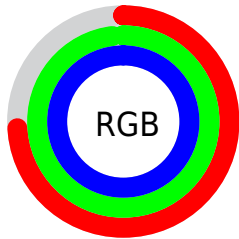
Format	Color
RYB	189, 221, 255
Decimal	12450815
CIELab	94.75, -18.35, -8.22
CIELCh	95, 20.106, 204.146
Yxy	87.0332, 0.2743, 0.3246
Android (android.graphics.Color)	4290640895 (0xFFBDFBFF)
YUV	232.9180, 10.8864, -38.5161
Hunter-Lab	93.2916, -22.5396, -3.0442

Details

The Yxy color **87.0332, 0.2743, 0.3246** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **63.1084, 0.3672, 0.3333**, and the grayscale version is **81.3686, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.5142, 0.3078, 0.3290**, and **47.7291, 0.2663, 0.3233** is the 20% darker color. If you saturate the color by 10%, you get **83.0901, 0.2613, 0.3227**, and if you desaturate by 10%, it is **91.5622, 0.2885, 0.3264**.

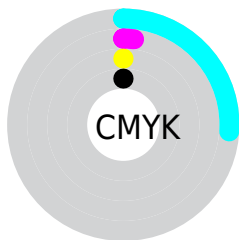
Distribution



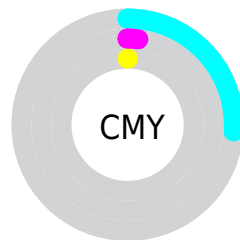
- Red (74%)
- Green (98%)
- Blue (100%)



- Red (74%)
- Yellow (87%)
- Blue (100%)



- Cyan (26%)
- Magenta (2%)
- Yellow (0%)
- Black (0%)




- Cyan (26%)
- Magenta (2%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 87.0332, 0.2743, 0.3246 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 87.0332, 0.2743, 0.3246 by changing the saturation by 10% instead.

 87.0332, 0.2743,
0.3246

 87.0332, 0.2743,
0.3246

518.3320, 0.2913,
0.3268

 65.5227, 0.2706,
0.3240

 143.2104, 0.2801,
0.3254

 47.8850, 0.2661,
0.3234


178.6459, 0.2823,
0.3257

 33.7358, 0.2605,
0.3224


219.4918, 0.2843,
0.3260

 22.6907, 0.2534,
0.3212

266.1326, 0.2861,
0.3262

 14.3653, 0.2442,
0.3195

318.9526, 0.2876,
0.3264

 8.3752, 0.2315,
0.3168

378.3362, 0.2890,

 4.3359, 0.2133,

0.3266

0.3125

444.6679, 0.2902,
0.3267

■ 1.8632, 0.1850,
0.3043

■ 0.5261, 0.0300,
0.3027

■ 87.0332, 0.2743,
0.3246

■ 87.0332, 0.2743,
0.3246

■ 83.0901, 0.2613,
0.3227

■ 91.5622, 0.2885,
0.3264

■ 79.6959, 0.2498,
0.3207

■ 96.6981, 0.3036,
0.3281

■ 76.8202, 0.2400,
0.3187

100.0000, 0.3127,
0.3290

■ 74.4267, 0.2321,
0.3166

■ 72.4743, 0.2262,
0.3145

■ 70.9152, 0.2222,
0.3124

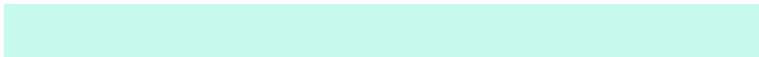
■ 69.6897, 0.2199,
0.3104

■ 69.2438, 0.2193,
0.3095

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.0332, 0.2892, 0.3460



87.0332, 0.2743, 0.3246



87.0332, 0.2694, 0.3054

Triad

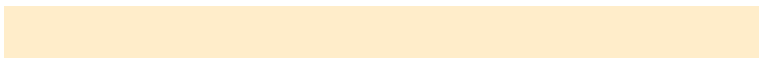
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.0332, 0.2743, 0.3246



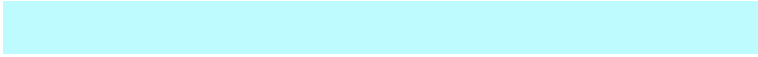
87.0332, 0.3134, 0.2981



87.0332, 0.3509, 0.3644

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



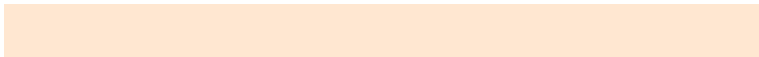
87.0332, 0.2743, 0.3246



63.1084, 0.3672, 0.3333

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



87.0332, 0.3581, 0.3502



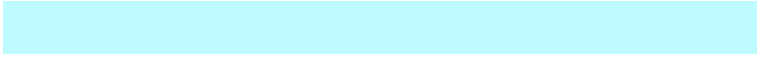
87.0332, 0.2743, 0.3246



87.0332, 0.3360, 0.3126

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



87.0332, 0.2743, 0.3246



87.0332, 0.2913, 0.2912



87.0332, 0.3526, 0.3313



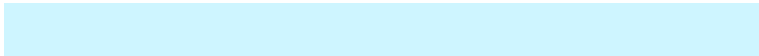
87.0332, 0.3334, 0.3695

Rectangle

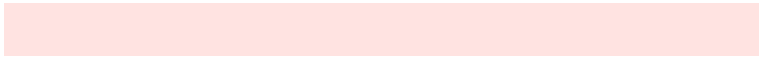
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



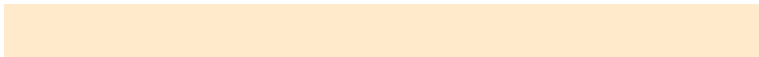
87.0332, 0.2743, 0.3246



87.0332, 0.2722, 0.2965



87.0332, 0.3526, 0.3313



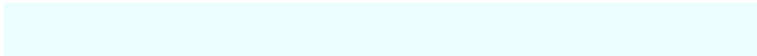
87.0332, 0.3546, 0.3605

Sweetspot

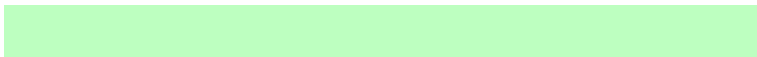
The Sweet Spot groups the original color and five complimentary colors.



87.0355, 0.2743, 0.3246



95.5453, 0.3003, 0.3277



86.1685, 0.3074, 0.3995



20.2810, 0.2980, 0.3275



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.0355, 0.2743, 0.3246



84.9360, 0.2675, 0.3237



68.5713, 0.2710, 0.2889



20.2810, 0.2980, 0.3275



36.2627, 0.2194, 0.3099



3.5859, 0.2201, 0.3122

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



64.6465, 0.3187, 0.2680



59.2054, 0.3200, 0.2559



78.9648, 0.3590, 0.3660



18.2802, 0.3147, 0.3070



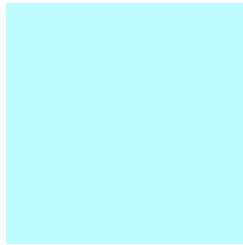
14.3887, 0.3368, 0.1629



1.4065, 0.3348, 0.1618

Previews

White Background



This preview shows how the Yxy color 87.0332, 0.2743, 0.3246 looks on a white background.

Color Contrast Check

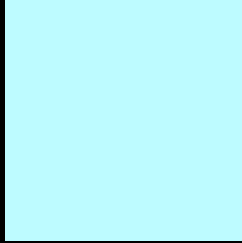
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 87.0332, 0.2743, 0.3246 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

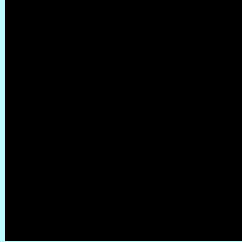
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 87.0332, 0.2743, 0.3246

Background



This preview shows how black text looks on a background with the Yxy color 87.0332, 0.2743, 0.3246.

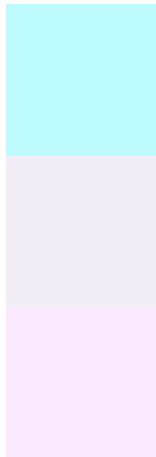


This preview shows how white text looks on a background with the Yxy color 87.0332, 0.2743, 0.3246.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

87.0332, 0.2743, 0.3246

Protanopia

86.5652, 0.3092, 0.3200

Deuteranopia

86.5749, 0.3110, 0.3086



Tritanopia

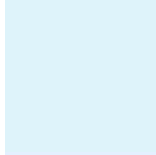
86.5203, 0.2890, 0.3176

Trichromacy



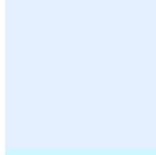
Original Color

87.0332, 0.2743, 0.3246



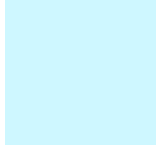
Protanomaly

86.5329, 0.2954, 0.3218



Deuteranomaly

86.0342, 0.2962, 0.3138



Tritanomaly

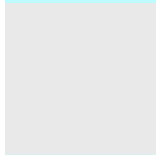
86.8633, 0.2833, 0.3206

Monochromacy



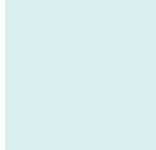
Original Color

87.0332, 0.2743, 0.3246



Achromatopsia

81.4847, 0.3127, 0.3290



Achromatomaly

83.4228, 0.2974, 0.3279

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.0332, 0.2743, 0.3246 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(189, 251, 255)` looks like.

```
.text, #text, p{  
    color:rgb(189, 251, 255)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(189, 251, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 251, 255) }
```

Border

The CSS property to change the border of an element to Yxy 87.0332, 0.2743, 0.3246 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(189, 251, 255) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(189, 251, 255) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(189, 251, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 251, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 251, 255);  
box-shadow:4px 4px 4px 4px rgb(189, 251,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 87.0332, 0.2743, 0.3246 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 251, 255) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(189,  
251, 255) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor